

AMENDMENTS TO THE SPECIFICATION:

Please cancel the current Abstract and replace it with the following new Abstract:

ABSTRACT

The present invention relates to a method and apparatus for selectively receiving radio frequency (RF) signals which utilizes an array of antenna elements including a center antenna for receiving the RF signal, a navigational controller using coordinate information to determine pointing vectors pointing to respective RF signal sources, and beam-forming electronics connected to the array of antenna elements and the navigational controller for forming reception lobes. Each reception lobe points in the direction of a determined pointing vector. For accurate and precise measurements, a constant phase center is maintained by adjusting the center antenna to the same phase shift for each of the lobes and steering the lobes by adjusting the phase shift of the antenna elements surrounding the center antenna.